Webb Resources 30-1 NMAL-Snowflake SW/NW Sec 30, T14N, R21E Permit 662

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DST, NO 1, 1646-1730 FROM TO RESULTS NO. IHP - 961 SISI - 30 MIN. 62 FF - 30 MIN. 62 FSI - 60 MIN. 62 1646 FHP-961 INIT OPEN W/VERY WEAK BLOW FINAL OPEN W/NO BLOW RECOVERED IFT. DRILLING CORE MUD RECOVERY REMARKS TO FROM NO. REMEDIAL HISTORY NEW PERFORATIONS DATE STARTED - COMPLETED WORK PERFORMED 22 ADDITIONAL INFORMATION

DRILL STEM TEST

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erolog			he commis		10		Date filed	
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,	7"		20#		315' KB	i	30	none
OPD					LINER	RECOBD		<u> </u>
	ker set at	Sise		Top			Sacks cement	Screen (ft.)
rt.	n.		tn.	ļ <u>.</u>	ft.	n.	CENTRAL SOIL	PER RECORD
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						Je numni	ner above also A	type of nump:)
Pro	ducing metho	o (Ina	icate ii no	MINE, SAM III	if at humbine.	-1. <b>p</b> cy.		
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)Lewnie				bbls.	1	MCF	bble.	
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DETAIL OF FORMATIONS PENETRATED

SUPAI 428' FT. APACHE 1655'  NACO REDWALL 3636' MARTIN PRE-CAMBRIAN TOTAL DEPTH (Logger)  REDWAL 3801'  REDWAL 380	drilling mud
NACO REDWALL MARTIN PRE-CAMBRIAN TOTAL DEPTH (Logger)  Cores: None  DST #1 1646-1730' pre-open 15 min op 30 min/si 60 min/ REC: 1 foot no shows. All flowing and Shut-i	drilling mud
	• • • • • • • • • • • • • • • • • • • •
	-

<sup>\*</sup> Show all important somes of perceity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

#### INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report well log shall be filed with the State of Arizona Oil Cas Conservation Commission not later than thirty days after project completion. thirty days after project completion.

 $\mathcal{C}_{\mathcal{S}}$ 

			:	PLUGGING		_	(		
perator		<u></u>	·	<del></del>	Address De		Colorad Denver		
	irces, Inc. Indian Lease Numb	er.		Wel	<del></del>	Reservoir		FLaza	
r lessor's name i	if fee lease. NMA	L-Snowf.		#30-		1dcat Sec-Tw	p-Rge or Blo	ock & Survey	County Navajo
	& 588 FWL		Has t	his well ever		well at con		itial production	n):
n name of				iced oil or gas	Oil (bbls/day) Gas (MCF/day) Dry? Yes				· .
Webb Resor Date plugged:	irces, Inc.			depth	Amount well Oil (bbls/			ged: CF/day)	Water (bbls/day)
July 1,		F7: 1	<u> </u>	304*	Depth interva	l of each f	ormation	i Size, kind &	depth of plugs used
Name of each for aining oil or gas which formation were at time of p	s. Indicate open to well-	r iuia coni	ent of t	each formation	Depth interva			Indicate zone giving amou	s squeeze comented.
none		er 550-250				50 sxs			
	Water water				top of	Surf. (	Csg.w/	10	sxs
					dry ho	le mar	ker		
								<u> </u>	
					<u> </u>		- <u></u> -		
		l mana :		CASING Left in well (ft.)	Give depth a	nd l		Packers and s	ihoes
Size pipe	Put in well (ft.)	Pulled ou	1 (11.)	Left in Weil (10.)	method of par casing (sho ripped, etc.	ting t,		T BUNCIO UNO	
7"	308'	==		3081					
		<u> </u>			V-M-A-d	(	iou containi	ng frach water	
Was well fil	lled with mud-laden	7	es		Conor	ino	······································	ng fresh water	·
	NAMES AND			ADJACENT LEAS	E OPERATORS	OR OWN		on from this w	ell:
Name			ldress						
New Mexic	co Arizona L	and Com	pany	Camelback	Square, S		.40-B		
				Phoenix,			_	<del></del>	
							<u> 1</u>	<del></del>	
In addition to plugging opera letter from sur ging which mig	other information rations to base of fre rface owner authoright be required.	equired on sh water si izing compli	this for ind, per etion of	m, if this well writerval this well as a v	as plugged back to fresh water water well and	for use a sand. nar	s a fresh wa me and ado o assume fu	iter well, give dress of surfa ill liability for	all pertinent details of ce owner, and attach any subsequent plug-
Use reverse sid	ie for additional det	ail.		<u> </u>				<del> </del>	
	E: I. the undersigned	d mada- th-	. 202210	w of posiuse stat	e that I am the		Chief G	eologist	of the
	sources, Inc								is report; and that this
report was pre	pared under my sup	ervision and	directi	on and that the fa	cts stated therei	n are true,	correct and	complete to the	e best of my knowledge
J. Date	uly 6, 1976		<del></del>		Sign	ture rat 1	$\bigcup_{i \in A} H$	Falconer	
Date					g.	- MTT	TTOM H.	ECTONIET	
				<u>, , ,</u>		OIL & G		OF ARIZON	A COMMISSION
					1			ging Record	
	/a /. 5 =						File	One Copy	
Permit No.	462	<del></del>			Form No	. 10			

ACCICATION TO ABANDON AND PLY

Wildcat		De		
Wabb Pagair	ces. Inc	Appress 22	00 First of Denver Pla	ıza
				30-1
Lessor's Name if Fee Lesse			WARD IV	<del></del>
OCATION 1797' FNL &	588' FWL (SW	NW) Section 30-14N-	21E	
Navajo Coun	ty, Arizona			
	אַרע עמל ד		TOTAL DEPTH 38	3041
YPE OF WELL	(OII, Gas	or Dry Hole)		
LLOWABLE (If Assigned)				
AST PRODUCTION TEST	OII.	(Bbls.)	WATER	(Bbls.)
	GAS	(MCF)	DATE OF TEST	
PODUCING HORIZON		PRODUCING F	ROMTO	
COMPLETE CASING RECO				
		· · · ·	sxs)	
Plan to set the following	owing plugs:	Plug #1 550-250 (50	sxs) casingiwith Dry hole m	marker (10 sxs)
Plan to set the following open pare commencing open name of person doing	owing plugs:  ATIONS Jul  WORK Hallib	Plug #1 550-250 (50 Plug #2 Top surface  ly 1, 1976  urton  William A. Falconer	sxs) casingiwith Dry hole m  DDRESS  Chief Geologist - Wel r Plaza, Denver, Color	bb Resources, 1
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DEC 61976
DEC CONS. COMM.

#### GEOLOGICAL REPORT

Webb Resources No. 30-1 NMAL - Snowflake SW NW Section 3-T14N-R21E Navajo County, Arizona

May, 1976

Prepared by: Warren E. Carr, Geologist P. O. Box 32436 Oklahoma City, OK 73132

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STEELS COM

#### DRILLING SUMMARY

1797' FNL, 588' FWL Section 30-T14N-R21E Location:

Total Depth: 3804' Driller 5796' Ground Elevation:

3801' Schl 5803' KB

All Measurements from Kelly Bushing

Complete: 6-30-76 <u>D & A</u> 5-23-76 Spud:

No. 1 1646-1730, pre-open 15 min., initial Drillstem Tests: shut-in 30 min., open 30 min., final shut-in

60 min. Recovered l ft drilling mud, no shows.

All flowing and shut-in presures 62 PSI

None Cores:

# 0986687688 |

### Sample/Gas Detector Shows:

1695-1704; 2 units  $C_1$ ,  $C_2$ , &  $C_3$  Tested NS 2810- 23; 1 unit C<sub>1</sub> & CO<sub>2</sub>
2920- 38; 1 unit C<sub>1</sub> & CO<sub>2</sub>
3068; 6 units C<sub>1</sub>
3086; 4 units C<sub>1</sub>
3120- 32; 1 unit C<sub>1</sub>
3258- 60; 3 units C<sub>1</sub>
3411; 3 units C<sub>1</sub> Trip gas Trip gas Trip gas

Formation Tops:	Sample/Drlg Time	Logs	Datum
Permian			. 5000
Coconino ss	Surface		+5803
Supai Fm	390'	4281	+5375
Ft. Apache	1660'	1655'	+4148
Pennsylvanian	27551	2757'	±3046
Naco Fm	2/33	2131	.17040
Mississippian Redwall Ls	36541	3636	+2167
Devonian			
Martin Fm	3720 <b>'</b>	3716'	+2087
Pre-Cambrian Granite	37841	3762'	+2041
Total Depth	3804 1	3801†	+2002

Hole Design:

Drill 9-7/8" hole to 320', ran 11 joints, 7" casing to 315' (KB), cement 130 sacks regular 3% c.c., circulated, plug down at 5:00 P.M. 5-26-76; drilled 6-1/4" hole to total depth.

W. E. CARR, GEOLOGIST

Lost Circulation: Surface to 80', 522', 2225', 2265', 2275', 2288', 2308', 2399', 2402', 2427', 3018', 3049', 3068',

2308', 2399', 2402', 2427', 3018', 3049', 3068', 3086'. Cement was spotted and squeezed in open hole over the zone beginning at 2225'. Full

returns were obtained to total depth.

Drilling Time: See mud log

Sample Description, Bit Record: See appendix

#### GEOLOGY

#### Structure

Surface elevation, at the top of Coconino Sandstone, is 5796' Adjusting to kelly bushing, the +5803 datum is 43' high to the Adamana test in Section 4-T14N-R20E, 126' low the Webb No. 8-1 NMAL, Section 8-T14N-R20E, and 227' lower than the Lockhart Well, NE Section 33-T14N-R20E. Structural position on top of Coconino is very near that indicated by earlier mapping. With respect to the No. 8-1, the subject location is normal to the top of Naco, being 121' low. In this comparison section thickens in Naco and Mississippian but is somewhat thinner in Devonian Martin Formation. On top of Pre-Cambrian, this test is 296' low to the No. 8-1 and 265' low to the Lockhart Well. Because of the lower variances and considering nature of sediments, it appears that structural movement was relatively gentle during pre-Permian yet producing contrasting attitudes in each of the Devonian, Mississippian and Pennsylvanian Periods. In the local sense this location becomes structurally lower with depth, and there is little data to suggest anomalous local configuration. Inasmuch as the surface location is in proximity to axis of the Holbrook "Arch", structural implications are as follows:

- 1) Surface expression of the No. 30-1 NMAL is about 230' lower than the apex of the Holbrook feature in the Snowflake area.
- 2) An irregular Pre-Cambrian surface existed at the beginning of sedimentation.
- 3) With regard to sea level, major elevation and erosion occurred following each the Devonian and Mississippian episodes.
- 4) Present surface attitudes do not reveal the complexities of structure and stratigraphy below the Permian-Pennsylvanian contact.

#### Stratigraphy

#### Permian

Coconino: As in other tests commencing at or near the top of Coconino, difficulty was experienced in preparing location and drilling rat- and surface-holes. The unit exhibits a high degree of cementation. Though

the sandstone, about 425' thick, appears to be more or less homogenous in grain size and color nearby surface exposures and variable drilling time indicate rather extreme vertical changes due to cross-bedding and intertonguing. Observed features of samples resemble those exposed in outcrops and in nearby penetrations. Aside from probable containment of potable water, nothing of economic importance appeared.

Supai: Above evaporites, there is approximately 170' of sediments with very fine grained, light colored sandstone predominately in the upper 50', then grading to very clayey reddish brown siltstone with gypsum bands and inclusions to 600'. Bedded anhydrite appears at this depth and first halite noted was in the 690-700 - foot sample. Since the mud system was not initially saturated with respect to sodium chloride, it is believed that first halite occurs at 681', as indicated by logs. From this point to about 920' a fairly clear section of halite and anhydrite, the latter often with halite intergrowths, was penetrated. Below, to the base of the formation, cyclic sedimentation prevailed, typical of geochemical separations as brine densities fluctuated. Clastic sources produced siltstones and claystones to interbed with carbonates, anhydrite and halite; base of extensive evaporite deposition occurs at 2104'. Dolomite beds were encountered, usually exhibiting porosity, from 993 to 1002, 1308 to 1321, 1506-10, thin beds 1525 to 1605, 1655 to 1665, 1678 to 1709 (grades to dolomitic limestone) and 1922-58. From 2104' to Naco (2757'), Supai is mostly comprised of siltstone and claystone, increasingly darker reddish-brown with depth. Such sediments also exhibit calcareous nature as section is descended. Total thickness of Supai is 2329'.

#### Pennsylvanian

Naco: This formation is 875' thick at this location and consists of alternating beds of limestone, siltstone and shale, with individual beds seldom exceeding 10'. Estimated ratio of lithologic components is 50% predominately dense limestone, 30% dark gray to black shale and 20% dark brown and occasionally reddish-brown shale. No porosity was observed in limestone, but the sequence probably is conducive to generation of hydrocarbons. Evidenced by the subject test and others in the vicinity, the principal problem in locating recoverable hydrocarbons from Naco rests with occurrence of effective porosity.

#### Mississippian

Redwall: Though samples were generally poor through the 80' assigned to Redwall, a definite lithologic break from Naco type sediments is recognizable. Because of homogenity indicated by gamma ray the interval 3636 to 3716 is believed to be Mississippian. Using the apparently good sample from 3700-05, and subsequent circulating samples at 3712, the above section is white to light gray, occasionally sand, finely crystalline dolomite. No porosity was observed in samples, and electrical logs indicate that the dolomite is tight.

- Constant

#### Devonian

Martin: Top of Martin is called on a shale break at 3716. Shale persists to 3737, and from that point to top of granite dense white to very light gray dolomitic prevails. Random large rounded and frosted quartz grains appear in the lower 25' of section; porosity is not evident.

#### CONCLUSIONS

- Presence or absence of anomalous structure does not seem to be a factor in the failure of this test. Instead, porous intervals are probably impermeable as indicated by the drillstem test covering Ft. Apache.
- 2.) Surface structural expression does not conform to Pre-Permian attitudes and with present control, nature and thickness of older Paleozoic cannot be predicted in the general area. Seismic techniques could contribute to location of nearby areas more favorable to presence of reservoir rocks and trapping conditions.
- 3.) Oil saturation established by core analysis on the Lockhart Well in Section 33-T14N-R20E provides reason to consider further study and drilling on the Holbrook Arch. Lateral facies changes are obvious between the Lockhart test and the subject location, as well as with comparison of all wells in the area.

Warren E. Carr, Geologist May, 1976

O

Webb Resources No. 30-1 NMAL - Snowflake SW NW Section 3-T14N-R21E Navajo County, Arizona

#### SAMPLE DESCRIPTION

```
320-30 ss wh-rare tan, VFG, fri, abdt gyp & cement in spl-contam
 30-40 sd AA, pred uncon
 40-50 same
 50-60 same
 60-70 same
 70-80 same
 80-90 same
 90-00 same
 400-10 AA, tr dk R-B sty clystn
 10-20 sd uncon & ss AA
 20-30 sd & ss AA, sts & ss, clayey, med-dk R-B (30)
 30-40 AA, poor spl-much LCM
  40-50 ss, salmon, VFG-FG, firm, well cem no vis poro tr dk
        R-B sts, tr cream sts w/blk partings
  50-60 ss AA
  60-70 same
  70-80 AA, tr crm sts
  80-90 ss bcm sty, clayey (25) sts, med-dk R-B, v clayey, occ mic
  90-00 AA, tr gyp
 500-10 ss AA (10) sts AA (90)
  10-20 ss AA (90) sts AA (10) tr crm sts w/blk incls-mica?
  20-30 ss AA (25) sts AA (75) much cement
  30-40 ss AA (10) sts AA (90)
  40-50 AA, ss bcm darker, grades to clayey sts AA
   50-60 AA, tr lt gy sty clystn
   60-70 tr ss AA, sts med-dk R-B in pt v clayey, occ mic, tr gy
          clystn AA
   70-80 AA, tr gyp
   80-90 AA, incr gyp (10)
  600-10 anh wh-lt gy VFX & gyp wh amorph (50) R-B sts AA (50)
   10-20 anh-gyp AA (100), few incls R-B sts AA
   20-30 anh-gyp AA (60), clystn-sts med-dk R-B w/stringers, inclusions
          & partings wh gyp (40), tr 1t gy sty clystn
   30-40 anh-gyp (30) clystn-sts AA (70) tr lt gy clystn AA
    40-50 anh AA, occ dolomitic (100)
   50-60 anh AA (40) med-dk R-B sty clystn AA (60) tr wh VFG ss,
          tr lt gy sty clystn
    60-70 anh AA, rarely dolomitic (100)
    70-80 anh AA (100), tr clear selenite
    80-90 same
    90-00 AA, sm intbds med R-B sli sty clystn, tr halite
   700-10 anh AA (100
    10-20 anh AA (90), R-B clystn AA (10), tr halite
    20-30 same
    30-40 AA, incr clystn (25)
    40-50 same
```

```
750-60 anh, wh-lt gy-occ pk (90) clystn AA (10) tr halite
        intergrowths in anh
 60-70 AA, incr halite
       anh AA (100) tr halite
 70-80
 80-90
      same
 90-00
       same
800-10
       same
 10-20 same
 20-30 same
 30-40 same
 40-50
       same
 50-60
       same
 60-70
       same
 70-80
        same
 80-90 AA, tr 1t bn FX dol
 90-00
       same
 900-10
        same
 10-20
        anh incr gyp (80) clystn pred dk R-B, in pt v sty w/white
  20-30
         gyp stringers of partings
        anh-gyp AA (30), R-B clystn AA & w/halite intergrowths (70)
        tr anh-gyp, clystn AA incr sty, sts 1t gy clayey w/gyp
         cem, tr ss, salmon, VFG, firm
        anh wh-lt gy VFX-dnse w/probable halite intergrowths
        anh AA (15) clystn P-B AA w/halite intergrowths (85)
         rare lt gy sts AA
        AA, tr buff sty clystn
         anh pred 1t gy VFX w/small dol incls (60) R-B sty
  80-90
         clystn AA (40)
  90-00
         anh AA, sli incr dol
         dol, med-lt bnish-gy, dnse, argil, w/anh incls tr pp poro
1000-10
         dol AA & sm VFX (10) no vis poro, anh AA (70) clystn,
         med-rare dark R-B, occ sty (20)
  20-30 anh AA w/incl FX, med-dk bn dol
  30-40 AA, tr bn dol w/fair pp poro
  40-50 anh AA w/dol incls (60), clystn lt-med-
  50-60 anh AA, rare dol (10) clystn AA (90) tr halite
  60-70 anh AA incr dol stringers & incls (80) dol med-dk bnish gy,
         pred dnse, sm FX, tr LX & pp poro (20)
  70-80 anh wh-v lt dnse (100) tr dol AA
   80-90 AA, prob halite intgrwths
   90-00 same
 1100-10 same
   10-20 anh AA (25), clystn lt-med R-B sli sty (75)
   20-30 same
   30-40 anh AA, sli darker (60) clystn AA (40) tr wh-clr FG-MG ss,
          tr bn dnse dol
   40-50 same
   50-60 anh AA (100) tr bn anhic dol
   60-70 AA, rare dol
   70-80 anh AA (70), clystn AA (30)
   80-90 anh 1t-med gy dnse-rare FX (100) tr bn dnse dol
   90-00 anh 1t gr dnse (100)
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```
1200-10 AA, tr lt med gy calc sh
  10-20 same
  20-30 anh AA (60) clystn lt-med R-B sty w/intgrwths halite (40)
         tr gy calc sh AA
  30-40 anh AA (80) clystn AA (20)
  40-50 anh AA (100) tr 1t bn dnse dol
  50-60 same
  60-70 ss, wh & salmon, VFG-sty, well cemented, tite
  70-80 anh AA (70), clystn AA (30)
  80-90 AA, tr halite
  90-00 poor spl-much LCM-ss pred salmon VFG well cemented, firm
1300-10 dol lt-med gyish bn, dnse-FX, argil, sty, few anh incls,
         occ thin blk sh partings, tr pp poro
  10-20 dol AA, sli incr poro
1328 circ 15 pred 1t gy anh
1328-30 dol AA & clystn pred lt R-B sty
  30-40 anh, wh-1t gy, VFX (100) tr dol AA
   40-50 AA, tr halite
   50-60 anh AA (20), clystn AA w/halite intgwths (80)
   60-70 clystn w/halite AA (100) tr anh, tr dol
   70-80 anh AA (30), clystn w/halite (70)
   80-90 clystn intb & intmixed w/halite (100)
   90-00 AA +50% halite
 1400-10 same
   10-20 AA, incr halite (70)
   20-50 AA, tr dol
   30-40 same
   40-50 same
   50-60 decr halite (40) pred clystn AA, tr dol
   60-70 halite (50) clystn & sts (50 tr dol
   70-80 halite (70) clystn & sts (30) tr dol
   80-90 halite (40) clystn & sts (60) tr dol
   90-00 AA, sli incr dol, tr dk gy-blk carb sh
 1500-10 same
   10-20 halite intc & intmx w/sty clystn (50), dol med-dk
          bn dnse-FX in pt v argil sty v/tr poro (50)
    20-30 halite-sts (30) dol AA, incr poro (70)
    30-40 dol AA (10) halite-sts (90) tr gy sh
    40-50 tr dol AA, halite-sts (100)
    50-60 halite (50) clystn (50) tr dol, tr gy sh
    60-70 dol 1t-med bn VX-dnse, argil, sty w/rare poro (50)
           anh-gyp-clystn-sts-halite (50)
    70-80 dol AA (10) anh-gyp-halite-sts (90)
    80-90 clyst, lt R-B, sli sty (60) halite, intb &intmx w/clystn
           (30), anh, wh-1t gy VFX (10), tr dol
    90-00 poor spl - same?
  1600-10 incr halite (50)
    10-20 incr halite (70)
    20-30 anh med-bnish gr, dnse (100), tr halite tr sty clystn
    30-40 AA, tr dk-gy-blk carb sh
 1647 circ 30 AA anh bcm darker
  1647-50 anh AA (50) & clystn lt-med R-B sty w/halite ingrwths
     50-60 anh AA (90) clystn AA (10) tr bn dol, dnse-FX
           w/pp poro
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```
1660-70 dol, 1t-med bnish gy, dnse, VFX, argil, sty, w/tr pp
         & IX poro, sm anh incls
  70-80 incr anh, tr dk gy calc, sty sh, rare poro
  80-90 dol darker, incr argil, few anh incl tr wh FG ss, tr poro
  90-00 dol grades to sli dolic ls (70) anh (30), tr poro
1700-10 dol, med-dk bnish gy, dnse-VFX, in pt v argil, sty,
         occ anh incls, rare poro (100)
  10-20 dol-AA (40), sts lt gy, calc, clayey (60) tr anh, tr poro
  20-30 dol AA rare poro (70) sts lt gy AA (30)
1730 circ 15 same
    circ 30 dol, somewhat cleaner w/oolcastic, pinpoint & IX poro,
          few incls wh anh
1730-40 dol AA (20), sts lt-med R-B, v clayey, sli calc (80)
   40-50 sts AA (100), tr dol AA
         dol AA, no vis poro (40), sts AA (40) anh gy FX (20)
   50-60
          tr dol AA, clystn med R-B, sty, w/few intgrwths clear halite
   60-70
   70-80 clystn AA (60) & anh wh-1t gy dnse-VFX (40) tr dol AA
          clystn AA (40) anh AA (20) dol, 1t bnish gy, dnse-FX in pt
   80-90
          argil, sty w/tr-fair pp poro
   90-00 clystn AA (60) anh AA (30) dol AA (10)
 1800-10 clystn w/halite intgrwths (100) tr anh, tr dol
   10-20 same
          AA, decr halite
   20-30
   30-40 AA, incr halite, anh
   40-50 AA, tr wh CG ss
          pred halite clear, CX, few incls clystn AA, tr dol
   50–60
    60-70 AA, sli incr
    70-80 clystn AA (30), anh AA (30), halite (10), dol 1t bnish
           gr, argil, sty, w/tr pp & oolcastic poro (30)
    80-90 clystn AA (50) anh AA (10), halite AA (30), dol AA (10)
    90-00 clystn AA (60), anh AA (10) halite (50) tr dol
  1900-10 clystn (40) anh AA (10) halite (50) tr dol
    10-20 clystn AA (30) tr anh, tr halite, dol lt-med bnish gy,
           argil, sty, pred dnse, rearely porous (70)
           clystn AA (30) anh AA (20) dol AA (50)
    30-40 clystn AA (90) anh AA (5) dol AA (5)
    40-50 clystn (60) anh AA (10) dol AA (30)
     50-60 anh AA (20) dol AA (80)
    60-70 clystn, med R-B in pt sty (80) tr anh, dol AA (20)
     70-80 AA, tr lt gy clayey sts
           clystn AA (70), dol AA (30) tr anh & gyp
           clystn AA (100) tr dol, tr anh-gyp
           clystn AA (80) tr dol, anh wh FX & gyp (20)
   2000-10
     10-20 halite, wh-clear CX w/incls R-B sty clystn
     20-30 AA, incr clystn
     30-40 clystn, med R-B sli sty w/intgrwths halite, tr anh-gyp
     40-50 AA, decr halite
     50-60 same
     60-70 same
     70-80 AA, tr 1t gnish-gy sts
     80-90 AA, sli incr halite
     90-00 clystn AA (70) anh-gyp (10), dol med-dk gy dnse, argil,
            sty, v rare poro (20)
   2100-10 clystn, lt-med R-B in pt sty, rare sdy, occ halite
```

(Timesania)

```
intgrwths (60) dol AA (40
2110-20 clystn w/halite AA (100, tr dol, tr anh-gyp
 20-30 AA, decr halite
  30-40 same
        poor spl-same?
  40-50
  50-60
        same
  60-70
        same
        ss, sm darker clystn, tr wh VFG ss
  70-80
  80-90 clystn AA (80) ss, wh, VFG, firm, well cem (20)
  90-00
         same
         poor sample-same?
2200-10
         clystn lt-med R-B, in pt sty, tr ss, AA, tr dk gy dol
  10-20
         AA, much anh-gyp appears recirc-contam
  20-30
         same
  30-40
  40-50 clystn pred-med-dk R-B, occ mic sli calc
  50-60 same
  60-70
         same
         poor spl-clystn incr sty, lighter in color, much LCM,
  70-80
         sm cement contam
  80-90 clystn decr sty, darker in color as 2240-2250
  90-00 same
2300-10 same
  10-20
        same
  20-30
        same
  30-40 same
  40-50 same
   50-60 AA, tr gy-wh mtld FX ls
   60-70 clystn AA
   70-80 same
   80-90 same
   90-00 same
 2400-10 AA, tr dk bn FX argil 1s
   10-20
          clystn AA
   20-30 clystn sli lighter in color, incr sty
   30-40
          same
   40-50
          same
          AA. sli incr calc
   60-70 same
   70-80 AA, tr lt gy calc sts, hd, sli clayey
   80-90 same
   90-00
          same
 2500-10
          same
          same
   10-20
          clystn pred med-dk R-B, incr calc, decr sty
   20-30
          AA, incr darker to maroon
   30-40
          same
    40-50
          AA, tr 1t R-B sdy clayey sts
    50-60
    60-70
          same
    70-80 AA, bcm darker, incr calc
    80-90 same
    90-00 clystn, pred maroon v calc, sli sty & sts lt R-B clayey,
           occ sdy, sli calc
  2600-10 same
```

The careful of

```
2610-20 AA, tr ls, med-dk gy, mtld, argil, dnse, tr sh, dk gy v calc
 20-30 AA, incr ls, sm lighter in color (20)
 30-40 same
 40-50
       AA, decr 1s (10), dk R-B (maroon) clystn v calc
         predominates, ss, salmon, VFG, sty, clayey (15)
         tr CG clayey ss
  60-70 tr ls, AA, tr VFG ss AA, spl pred dk R-B (maroon) v calc,
         commonly mic clystn
  70-80 same
  80-90 same
  90-00 same
2700-10 clystn, dark R-B, v calc, in pt sty (100) tr med gy
         duse argil ls
  10-20 AA, no vis 1s
  20-30 AA, tr ls
  30-40 same
  40-50 AA, tr med-dk gy, calc, sty sh
  50-60 dk R-B clystn AA (30), sts lt-med R-B, v clayey calc (30
         1s med-dk gy, dnse-rare FX, v argil (30) sh med-dk gy (10)
  60-70 clystn lt-med-dk R-B v calc (20) ls AA (70) sh gy AA (10)
  70-80 clystn AA (10), 1s AA (80), gy sh AA (10)
  80-90 same
   90-00 R-B clystn AA (30) ls AA argil (60) sh gy AA (10)
 2800-10 R-B clystn AA (10) ls AA incr argil (80) sh gy AA (10)
   10-20 R-B clystn AA (20) ls AA incr argil (60) sh gy AA (20)
   20-30 R-B clystn AA (10) 1s AA incr argil (70) sh gy AA (20)
   30-40 same
          clystn AA (30) 1s AA incr argil (20) sh gy AA (50)
   40-50
          clystn AA (20) 1s AA & dk R-B dnse (40) sh gy AA (40)
   50-60
          clystn AA (10) 1s AA & dk R-B dnse (80) sh gy AA (10)
   60-70
   70-80
          same
   80-90
          same
          same
   90-00
 2900-10
          same
   10-20 clystn AA (30) ls AA & dk R-B dnse (50) sh gy AA (20)
   20-30 clystn AA (50) ls AA & dk R-B dnse (30) sh gy AA (20)
   30-40 clystn pred med R-B, sli calc, in pt v sty (90) 1s AA
          (10), tr sh AA
   40-50 clystn pred med R-B AA (60), 1s AA (30) gy sh AA (10)
   50-60 clystn pred med R-B AA (90), 1s AA (10) gy sh tr
         same
   60-70
   70-80
          clystn AA (100), tr ls AA, tr gy sh AA
   80-90
   90-00
 3000-10
          same
    10-20
          same
    20-30
          same
    30-40
          same
    40–50
          same
    50-60
          same
    60-70 same
    70-80 AA, sm dk bn hard sh, sli incr dk gy calc sh
```

( sermen

```
3080-90 clystn bcm incr darker, incr calc, tr ls AA, tr dk gy sh AA
  90-00 no returns
3100-10 poor spl-mostly cvgs-as above?
  10-20 clystn AA, tr orange chert
  20-30 clystn dk bn AA (50) ls, 1t-med -dk gy, in pt v argil (30)
         sh med-dk gy, v calc (20)
  30-40 bn clystn AA (70), ls AA (20), gy sh AA (10)
  40-50 bn clystn AA (40), ls AA (50), gy sh AA (10)
  50-60 bn clystn AA (40), 1s AA (50), gy sh AA (10)
  60-70 bn clystn AA (30), 1s pred 1t gy, decr argil, dnse sm mtld,
        scat foss (60), gy sh AA (10)
  70-80 AA, incr gy sh
  80-90 AA, decr ls, incr bn sh-clystn
         poor spl-much cave-pred clystn?
  90-00
3200-05 same
3205 circ 30 AA
3205-10 same
   10-20
         same
   20-30
         same
         AA, sli incr ls, incr gy sh
   30-40
          pred dk bn & gy sh, sm 1s AA (10)
   40-50
          pred dk bn & gy sh, sm 1s AA (20)
   50-60
   60-70
          same
          same
   70-80
          AA, 1s (25)
   80-90
   90-00 same
          AA, decr 1s (10)
 3300-10
          same
   10-20
          same
   20-30
   30-40
          same
          AA, sm bn sh surfaces slickensided
   40-50
   50-60 AA, incr 1s (30)
   60-70 AA, sm imbedded, rounded LG qtz grains in gy sh, incr ls
          1t med-gy,dnse, minor amt v argil (50)
    70-80 AA, no LG AA
    80-90 AA, 1s (80) dk gy & dk bn sh AA (20)
    90-00 AA, 1s (25) dk gy & dk bn sh AA (75)
  3400-10 AA, much cement in spl
 3411 circ 30 AA, incr ls (40)
                   incr 1s (30)
  3411-20
                   incr 1s (70) sm foss
    20-30
    30-40 1s (10)
    40-50 ls (50) tr wh chalky ls, tr wh calc VFG ss
    50-60 is (20) tr wh chalky is, tr wh calc VFG ss
    60-70 ls (10) tr wh chalky ls
    70-80 ls AA & sm sli sty, sm maroon FX, v argil, sm chalky (70),
           gy & dk bn sh AA (30) foss common in 1s
    80-90 same
    90-00 lss AA (80) sh AA (20)
  3500-10 ls AA, incr argil (30) gy & bn sh AA (70)
    10-20 same
     20-30 ls AA (40) gy & bn sh AA (60)
     30-40 ls AA (50) gy & bn sh AA (50)
     40-50 ls AA (70) gy & bn sh AA (30)
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```
3550-60 ls AA (20) gy & bn sh AA (80)
         tr 1s AA, dk gy & bn sh AA (20), clystn 1t-med R-B,
  60-70
         in pt b sty (80)
  70-80 same
  80-90 AA, much cement in spl
  90-00 dk gy & bn sh AA (70) clystn R-B AA (30)
3600-10 same
  10-20 same
  20-30 same
3632 circ 40 same
3632-40 same
   40-45 AA, tr orange chert
   45-50 tr 1s AA, gy & bn sh AA (80) clystn R-B AA (20) to buff
         sts w/scat blk grains, tr med gy fissile sli calc sh
   50-55 incr dk gy fissile sh
   55-60 pred dk gy-sm dk bn sh AA (90), tr 1s, dol wh, dnse-
          FX-MX-CX, no vis poro (10), tr ls AA
   60-65 same
   65-70 AA, tr wh chalky-dnse FX ls
   70-75 poor sp1-same?
   75-80 poor spl
   80-85 poor spl-tr pk FX-MX dol
   85-90 poor spl-dol pk AA & tr wh LX no vis poro
   90-95 same?
   96-00 same
 3700-05 pred dol wh-lt gy FX, sm med gy FX-dnse, sm sdy
3712 circ 20 as above
     circ 40 same
     circ 60 decr cuttings-hole clean?
 3712-15 same
   15-20 AA v poor spl
   20-25 incr dol, pred wh-lt gy, tr pink, spl quality poor
   25-20 same
   35-40 spl improves, dol, wh-lt gy, dnse-FX, occ sdy & shly
    40-45 same
    45-50
          same
    50-55 same
    55-60
          same
    60-65 1s, wh-1t gy dnse-rare FX, occ sdy, sty
          dol wh-lt gydnse-FX w/few LG qtz grains, tr orge sli dolic ls
    65-70
          AA, incr imbedded qtz grns, tr wh, MG, calc ss
    70-75
    75-80 AA, incr free qtz & ss
    80-85 AA, tr feldspar?
    85-90 AA, abdt qtz, few rounded LG, most lt-clr angular feldspar
           common tr blk mica
    90-95 angular qtz, few rounded grains, pink-orange feldspar, mica
           common-drilling in granite
    95-00 pink-pale orange granite
  3800-04 granite AA
 3804 circ 20 much 1s & ss in spl-cvg?
      circ 40 same
      circ 60 same
 TD
           3804
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SUNDRY NOTICES AND REPORTS ON WELLS

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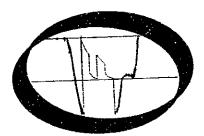
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Location	<u> 1797' 1</u>	FNL & 588' I	WL (SW NW)				<del></del>			
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. Federal, State	or Indian	Louse Number, or	lessor's name if fe	e lease_	New Mex	kico-Ar	izona L	and Compa	ny	
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i. Check Appro	priate Box	lo Indicate Naturo	of Notice, Report,	or Other	r Dato					
	Non	TCE OF INTENTI	N <b>T</b> ∩•				HESPOHEN	IT REPORT OF	••	
TEST WATER FRACTURE TI SHOOT OF AC REPAIR WELL (OTHER)	Shut-ofi Reat Idize	PULL O	R ALTER CASING IONAL DRILL IATE CASING E PLANS		WATER SHO FRACTURE SHOOTING	IT-OFF TREATME OR ACIDIZ	NT UNG	MONTHLY I REPAIRING ALTERING ABANDONS REPORT	Progress Well Casing	XX
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6-99-76 6-10-76 6-11-76 6-12-76 6-13-76 6-14-76 6-15-76 6-16-76 6-17-76 6-18-76 6-19-76 6-20-76 6-21-76	2288' 2340' 2402' 2502' 2661' 2840' 3018' 3018' 3069' 3101' 3101' 3101'	Trip in with Drilling (d) Lost circ. Drilling (d) Drilling (d) Lost circ. Lost Circ. Lost Circ. Running in Trip out of Trip out - Lost circ. WOC. washe	(Naco) (naco) hole. Had of hole stuck at 60	all ( imestond lin omite on)  circ.  'in ceme	drill colone) mestone) )  for 2 h surf. casent bridge	lars and rs, los sing.	t compl	e basket) etely.	РООН, х	an dp ope
		, squeezed	25 sxs w/dp	at 24	35', spo	tted 25	SXS C	ment on t	op ot sw	ueeze.
	3330' 3411'	Drilling Drilling Tripping Tripping		7-02		4' TD F	DRT. E	enters to Plugged an , 7-1-76		oned 7-1-7
		Tripping				FINAL	REPOR	<u>r</u>		
6-29-76 6-30-76	3680' 3781'	Drilling Drilling						_		
8. I hereby cert	ify that th	e foregoing is true	and correct.			· · · · · · · · · · · · · · · · · · ·	<del></del>		<del></del>	<del></del>
Signed (	M.	1) Ta	con-		_Title			Date		*******
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Permit No. 662

Form No. 25

OND THE STANT

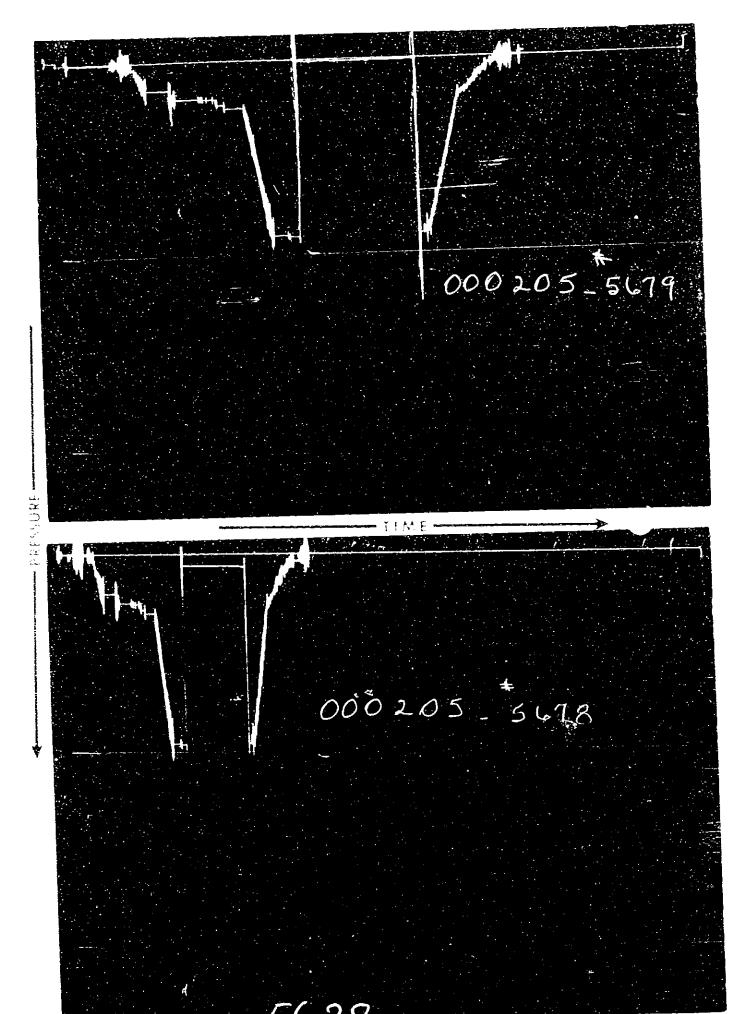
# Formation Testing Service Report



موعاما

HALLIBURTON SERVICES

S, INCORPORATED



Each Horizontal Line Equal to 1000 p.s.i.

ON THE REAL STANKS

FLUID SAMPLE DATA  Date 5-30-76 Ticker Number 000205  Sampler Pressure 0 P.S.I.G. at Surface of Job OPEN HOLE District FARMINGTON of Job OPEN HOLE DATA  Gravity C. Mud TOO F. F. CHORIDE CHORIDE RESISTIVITY CHORIDE RESISTIVITY CHORIDE RECOvery Mud Tiltrate OPEN HOLE OPEN HOLE DATA  Recovery Mud Filtrate OPEN HOLE DATA  Recovery Mud Filtrate OPEN HOLE DATA  All Depths Measured From Kelly Bushing Ft. Todal Depth Main Hole/Casing Size 68 Main Hole/C
Sampler Pressure Recovery: Cu. Ft. Gas Cc. Oil Cc. Water Cc. Mud Tot. Liquid cc. 'API @ 'F. Gas/Oil Ratio RESISTIVITY CHLORIDE CONTENT Recovery Water Recovery Water Recovery Mud Recovery Mud Recovery Mud Recovery Mud Recovery Mud Recovery Mud Filtrate
Recovery Water Recove
Cc. Water 100 Cc. Water 100 Cc. Mud 100 Cc. Mud 100 Cc. Mud 100 Cc. Mud Tot. Liquid cc. PAPI @ "F. Formation Tested Formation
Gravity Cut. (ft./bbl. Formation Tested T.C.)  RESISTIVITY CHICARDS (CONTENT)  Recovery Water Recovery Mud
Gravity Cut. (ft./bbl. Formation Tested T.C.)  RESISTIVITY CHICARDS (CONTENT)  Recovery Water Recovery Mud
Gravity Cut. (ft./bbl. Formation Tested T.C.)  RESISTIVITY CHICARDS (CONTENT)  Recovery Water Recovery Mud
Gravity Cut. (ft./bbl. Formation Tested T.C.)  RESISTIVITY CHICARDS (CONTENT)  Recovery Water Recovery Mud
Recovery Water  Recovery Water  Recovery Mud  Recovery Mud  Recovery Mud Filtrate  Recovered  Recovered  Recovered  Feet of
Recovery Water  Recovery Water  Recovery Mud  Recovery Mud  Recovery Mud Filtrate  Recovered  Recovered  Recovered  Feet of
Recovery Water Recovery Mud Recovery Mud Recovery Mud Filtrate Recovered Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of  Recovered Feet of
Recovery Water   Recovery Mud   Recovered   Recov
Recovery Mud Filtrate  .03 @ 67 °F. ppm Mud Pit Somple  Mud Pit Somple  .03 @ 67 °F. ppm Porill Collar Length  .03 @ 67 °F. ppm Porill Collar Length  .03 @ 67 °F. ppm Porill Collar Length  .04 Pit Somple Filtrate  .05 Porill Pipe Length  .06 Pocker Depth(s)  .06 Pocker Depth(s)  .07 Pocker Depth(s)  .08 Pocker Depth(s)  .09 Pocker Depth(s)  .00 Pocker Depth(s)  .0
Mud Pit Sample Filtrate  SEC. Packer Depth(s) 1642' - 1040  Mud Weight 10.2 vis 42 *** Depth Tester Valve 1620'  TYPE AMOUNT Depth Back NONE Chake 3/4" ADJ. Chake 3/4" ADJ. Chake 3/4" ADJ. Toke 3/4"  Recovered 1' Feet of mud  Recovered Feet of  Recovered Feet of
Mud Pit Sample Filtrate  SEC. Packer Depth(s) 1642' - 1040  Mud Weight 10.2 vis 42 *** Depth Tester Valve 1620'  TYPE AMOUNT Depth Back NONE Chake 3/4" ADJ. Chake 3/4" ADJ. Chake 3/4" ADJ. Toke 3/4"  Recovered 1' Feet of mud  Recovered Feet of  Recovered Feet of
Mud Weight 10.2 vis 42 top Depth Tester Valve 1620'  Mud Weight 10.2 vis 42 top Depth Tester Valve 1620'  TYPE AMOUNT Pres. Valve NONE Choke 3/4" ADJ. Choke 3
Mud Weight 10.2 vis 42 *** Depth Tester Volve  TYPE AMOUNT Depth Back NONE Choke 3/4" ADJ. Cho
TYPE AMOUNT Depth Back NONE Choke 3/4" ADJ. Ch
Recovered 11 Feet of Mud  Recovered Feet of  Recovered Feet of  Feet of  Feet of
Recovered 11 Feet of Mud  Recovered Feet of  Recovered Feet of  Feet of  Feet of
Recovered 1 Feet of WILDCAT
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Recovered Tarred 7 1 6 4 6
Recovered Feet of Feet of
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Remarks SEE PRODUCTION TEST DATA SHEET
1730
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TEMPERATURE   Gauge No. 5679   Gauge No. 5678   Gauge No.   TIME   Septimize   Gauge No.   Septimize   Gauge No.   Septimize
Gauge No. 5679 Gauge No. 5678 Gauge No. 1726 Ft. Depth: Ft. Depth: Gauge No. A.M.
L   Oceaned 7.771   1
Fr. 90 °F. Blanked Off NU Blanked St.
Pressures Pressures Reported Computed
Actual °F. Pressures Field Office Field Office Minutes Minutes 9
Field Office 961 966
Initial Hydrostatic 904 913 901 60 15 60 15
Initial   14   8   62   60   30   9   2
Flow Final 14 10 62 60 30 30 30 30 30 30 30 30 30 30 30 30 30
Closed in   14   10   62   60   35   3   3   3   3   3   3   3   3
Flow   Initial   14   10   62   62   55   12   8   8   8   8   8   8   8   8   8
Flow Final 14 10 62 60 30 INCORPORATE Final 14 10 62 62 60 35 ARIZON FINAL TO 62 64 55 ARIZON FINAL TO 62 64 TENDER FOR THE FINAL TO 64 TENDER FOR THE FINAL
Initial P
Flow Final Closed in
Fa Closed in
5:1 Hydrostatic 904 908 961 902
Closed in Finol Hydrostatic 904 908 961 962  Finol Hydrostatic 904 FORMATION TEST DATA  LITTLE'S 94671 10M 8/74

	vity	G	urf. temp•F Ticket No000203
			· (0) ·
	jes	pprr	OR
ZE OF GAS MEA	SURING DEVICE	USED	
e Surface Pressure	Gas	Liquid Rate BPD	Remarks
DZI			On location.
-			Picked up and made up the tools.
		-	Started in the hole.
			Worked on the rig.
			On bottom.
			Tool opened - few bubbles and died.
			Shut in.
			Opened tool and blow was dead.
			Closed tool.
			Opened bypass.
			Came off bottom.
			Out of the hole.
			Left location
			N TEST DATA
		Rete Pressure psi Rate MCF	Pressure Pre

FLUIC	SAMPLE	DATA	С	Date 5.	-30-76	Ticket Number	000	205	Legal L	
Sampler Pressure	0	P.S.I.G.		Cind of Job 01	PEN HOLE	Halliburto District	n FAR	MINGTON	Location Two Rr	
Recovery: Cu. Ft. ( cc. Oil	$\frac{0}{0}$						0.50	D.	ĮŠ,	
cc. Wate			Ţ	rester HO	OEFER	Witness	CAR	<u>R</u>	1 1	و
cc. Mud				Orilling Contractor Wi	FRR RROTH	ERS DRILLE	RS. INC.	NM	30	ease Name
Tot. Liqu Gravity	old CC	PI @	•E.		IPMENT		DATA		1.	Nome
Gas/Oil Ratio				Formation Tested		Ft. Apache			15	
	RESISTIV	/ITY CHL/	ORIDE E	Elevation		5800' +		Ft.	. 1	
n 114.			[1	Net Productive Int		84'	1 2 2	Ft.	25	!
Recovery Water Recovery Mud	.03 @ .03 @	-67- °F. -F	<del></del>	All Depths Measur Total Depth		Kelly Bush 1730'	1119		· [	
tecovery Mud Filts Recovery Mud Filts	<del></del> -	-F. —	<del></del> '' 1 '	Main Hole/Casing		6¼"		Ft.		
Aud Pit Sample	.03 @	67 °F.		Drill Collar Lengt	th	339' I.D.	1 3/		.	
Aud Pit Sample Fi	iltrate@_	*F.		Drill Pipe Length		1282' I.D.	2.76	•	.	Weil No.
Aud Weight	10.2	vis 42	^ I	Packer Depth(s)		<u> 1642' - 16</u> 1620'	40	Ft.	1 1	٩
TYPE	AMOUNT		Depth Bock	Depth Tester Valv	ve Surface	Bott	om	Ft.	۱ ۲	
	NONE	Ft.	Pres. Valve		Choke 3/4	" ADJ. Cho		3/4"	]	ᇕ
									≥₽	Test No.
Recovered ]	Feet o	of mud		· · ·		-		<u>}</u>	Field	
Recovered	Feet o	if						Fon	۱'	
Recovered	Feet o	f						Testor	Ε	
Recovered	Feet o	٠ <u>.</u>						Valva		
	reeto	•					<del></del>			
Recovered	Feet o	if								ᆲ
	CEE 0	DOD!!!!	TECT DAT							Tested
Remarks	2FF b	KUDUCTION	IEST DAT	A SHEET	<del></del>	<del></del>		<del></del>	-	intervo
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	Gauce No.	670	Gourse No.	5679	Gouge No	<del></del>			4	
TEMPERATURE		679 525' F	Gauge No.	5678 1726' st	Gauge No.	E	Ťi	ME	- NA	
TEMPERATURE	1 " "	679 525 ft. Hour Clock	Depth:	5678 1726' Ft. 24 Hour Clock	Gauge No. Depth:	Ft. Hour Clock	Tool	M.A	NAVA	
	Depth: 16	25' Ft.	Depth:	1726 <sup>†</sup> Ft. 24 Haur Clock			Tool Opened 12	A.M :25 p.m	<u> </u>	
Est. 90 °F.	Depth: 16 12 Blanked Off	Hour Clock	Depth: 2 Blanked Off	1726 ' Ft. 24 Hour Clock YES	Depth; Blanked Off	Hour Clock	Tool Opened 12 Opened	25 P.M		
Est. 90 °F.	Depth: 16 12 Blanked Off Pressu	525 <sup>s</sup> Ft. Hour Clock NO	Depth:  Blanked Off Pre	1726 Ft. 24 Hour Clock YES	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened	A.M :25 p.m		Lo
Est. 90 °F.	Depth: 16 12 Blanked Off Pressu	525 f. Hour Clock NO ures	Depth:  Blanked Off  Pro  Field	1726 Ft. 24 Hour Clock YES essures Office	Depth; Blanked Off	Hour Clock	Tool Opened 12 Opened Bypass 2	A.M :25 P.M A.M :40 P.M		Lease (
Actual °F.	Depth: 16 12 Blanked Off Pressu	525 <sup>s</sup> Ft. Hour Clock NO	Depth:  Blanked Off Pre	1726 Ft. 24 Hour Clock YES	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported	A.M :25 <u>p.m</u> A.M :40 p.m		Lease Owne
Actual °F.	Depth: 16 12 Blanked Off  Presss Field 904 14 14	Hour Clock NO ures 913 8	Blanked Off Pro Field 961 62 62	1726 Ft.  24 Hour Clock YES  essures  Office 956 60 60	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M		Loase Owner/Co
Actual °F.  nitial Hydrostatic Flow Final Closed in	Depth: 16 12 Blanked Off  Presss Field 904 14 14	Office 913 8 10	Blanked Off Pro Field 961 62 62 62	1726   Ft. 24   Hour Clock   YES    essures   Office   956   60   60   60   60	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M		Lease Owner/Compc
Actual °F.  Nitial Hydrostatic Flow Initial Final Closed in	Depth: 16 12 Blanked Off  Presss Field 904 14 14 14 14	025 ft. Hour Clock NO  ures  Office 913 8 10 10	Blanked Off Pro Field 961 62 62 62 62	1726	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes 15 30	A.M :25 P.M A.M :40 P.M		Lease Owner/Company >
Actual °F.  Notical Hydrostatic Initial Final Closed in Flow Flow Final Final Final	Depth: 16 12 Blanked Off  Pressu Field 904 14 14 14 14 14	025 ft. Hour Clock NO  ures  Office 913 8 10 10 10	Depth: 2 Blanked Off Pre Field 961 62 62 62 62 62 62	1726   Ft. 24   Hour Clock   YES    essures   Office   966   60   60   60   60   62	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M	State	Lease Owner/Company Name
Flow Initial Final Closed in Closed	Depth: 16 12 Blanked Off  Presss Field 904 14 14 14 14	025 ft. Hour Clock NO  ures  Office 913 8 10 10	Blanked Off Pro Field 961 62 62 62 62	1726	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes 15 30	A.M :25 P.M A.M :40 P.M	State	Lease Owner/Company Name
Est. 90 °F.  Actual °F.  Initial Hydrostatic  Flow Initial  Closed in  Closed in  Closed in  Closed in	Depth: 16 12 Blanked Off  Pressu Field 904 14 14 14 14 14	025 ft. Hour Clock NO  ures  Office 913 8 10 10 10	Depth: 2 Blanked Off Pre Field 961 62 62 62 62 62 62	1726   Ft. 24   Hour Clock   YES    essures   Office   966   60   60   60   60   62	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M		Lease Owner/Compony Name
Flow Initial Final Closed in Closed in Flow Initial Final Closed in Closed i	Depth: 16 12 Blanked Off  Pressu Field 904 14 14 14 14 14 14	025 ft. Hour Clock NO  ures  0ffice 913 8 10 10 10 10	Depth:    2	1726	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M	State	Lease Owner/Compony Name
Flow Initial Final Closed in Closed in Closed in Initial Final Closed in Initial Final Final Final Final	Depth: 16 12 Blanked Off  Pressu Field 904 14 14 14 14 14	025 ft. Hour Clock NO  ures  Office 913 8 10 10 10	Depth: 2 Blanked Off Pre Field 961 62 62 62 62 62 62	1726   Ft. 24   Hour Clock   YES    essures   Office   966   60   60   60   60   62	Depth:  Blanked Off  Pres	Hour Clock	Tool Opened 12 Opened Bypass 2 Reported Minutes	A.M :25 P.M A.M :40 P.M	State	Lease Owner/Company Name

Spec. gravity INDICATE TYPE A	ND SIZE	OF GAS MEAS	URING DEVICE L	SED	om Res
Date 5-30-76	Choke	Surface	Gas Rate	Liquid	Remarks
Time a.m. p.m.	Size	Pressure psi	MCF	Rate BPD	
7:00 AM					On location.
8:00				<u> </u>	Picked up and made up the tools.
9:00			-		Started in the hole.
					Worked on the rig.
12:13					On bottom.
12:25					Tool opened - few bubbles and died.
12:40					Shut in.
1:10					Opened tool and blow was dead.
1:45					Closed tool.
2:40					Opened bypass.
2:45					Came off bottom.
4:00					Out of the hole.
5:00					Left location
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PRODUCTION TEST DATA

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FORM 182-R1-PRINTED IN U.S.A.

- ESCAPE

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			TIC	KET NO. 000	205
e)		O. D.	I. D.	LENGTH	DEPTH
H	Drill Pipe or Tubing		1. 0.	CENGIA	ULFIN
	Reversing Sub	415"	2"	1'	·
	Water Cushion Valve				
買	Drill Pipa	312"	2.764"	1282	
	Drill Collars	41211	1 3/4"	339'	
$\mathbb{H}$	Handling Sub & Choke Assembly Dual CIP Valve			<del></del>	
Ш	Dual CIP Sampler	5"	.87"	7'	1613
П	Hydro-Spring Tester	5"	.75"	5'	1620
	Multiple CIP Sampler				
##			<del></del>		
Ш	Extension Joint		**************************************		
	AP Running Case	5 <sup>11</sup>	3.50"	41	1629
H		5"	1.75"	5'	
	Hydraulic Jor		1.75		
	VR Safety Joint	5"	1.00"	3,	
	Pressure Equalizing Crossover				
	Packer Assembly	5½"	1.53"	5'	1648
H	Distributor				
	January		•		
		5½"	1.53"	51	164
	Packer Assembly	<u> </u>			
	Flush Joint Anchor				
H					•
Щ	Blanked-Off B.T. Running Case				
B	Drill Collars				
v	Anchor Pipe Safety Joint				
世					
	Packer Assembly				
旦	Distributor		•	<del></del>	
7	Packer Assembly	<del></del>			
	ļ				
M					•
H	Anchor Pipe Safety Joint		<del></del>		
	Side Wall Anchor				
			1 2///	EC EO!	
1	) Drill Collars	41211	1 3/4"	56.59'	
	Flush Joint Anchor	5"	2.37"	22'	
	Blanked-Off B.T. Running Case	5"	3.0"	5'	172
_	Didined On D. I. Russing Cust				

EQUIPMENT DATA

LITTLE'S 96676 75C 8/74

Log Analysis								WEL	Schlumberge				
IELD			<del> </del>	cou	INTY	<del></del>				STAI	:E		
DEPTH			ΔI	Øs	$R_T$	Rw	ان				% POROSITY	% WATER	REMARKS
3386-	92		58	9	30	.1	82						
32 <b>5</b> 4-	1 1		66	14	13		76						
3227-	1 1		63	12	20		73						
2805-	}	<u> </u>	61	11	30		65						
2681-	702		60	10	30		73	.					
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1307-	20		63	14	30		50						
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	<del> </del>			1				<b>†</b>			<del>                                     </del>		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the occuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for ony loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

DATE	LOCATION	ENGINEER
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SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.							
2. O.L WELL GAS WELL OTHER C	(Specify)						
3. Well Name #30-1 NMAL-Snowflake							
Location 1797 FNL & 588 FWL (SW NW	v)						
20	21E County Navajo Arizona.						
4. Federal, State or Indian Lesse Number, or lessor's name if fee lease	New Mexico Arizona Land Company						
S. Field or Pool Name Wildcat							
6. Check Appropriate Box to Indicate Nature of Notice. Report, or Other	Polo						
NOTICE OF INTENTION TO:	SURSEQUENT REPORT OF:						
——————————————————————————————————————	MONTHLY PROGRESS						
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WELL						
FRACTURE TREAT DIRECTIONAL DRILL	FRACTURE TREATMENT						
SHOOT OR ACIDISE PERFORATE CASING	SHOOTING OR ACIDIZING ABANDONMENT						
REPAIR WELL CHANGE PLANS (OTHER)	(OTHER) PROGRESS REPORT XX						
	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)						
<ol> <li>DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statisting any proposed work. If well is directionally drilled, give substances prefinent to the mark.)</li> </ol>	te all pertinent details, and give pertinent dates, including estimated date of urface locations and measured and true vertical depths for all markers and						
5-23-76 Spudded at 1:00 P.M.							
5-24-76 72' Drilling							
5-25-76 156' Drilling 9-7/8 " surface hole							
5-26-76 290' Drilling 9-7/8" surface hole							
5-27-76 320' Drilling cement plug. Ran 11	jts used 7" 20# 10-V thrd casing (308')						
cemented at 315' KB w/130 sxs requ	nlar w/3% cc. Plug down at 5:00 P.M. 5-26-76						
5-28-76 950' Drilling							
5-29-76 1505' Drilling							
5-30-76 1730' Circ. for DST #1							
5-31-76 1885' Drilling (DST #1: 1646-1730'	REC: 30' drilling mud.						
6-01-76 2225' lost circulation							
6-02-76 2288' lost circulation							
6-03-76 2288' Fishing							
6-04-76 2288' Fishing							
6-05-76 2288' Fishing							
6-06-76 2288 Fishing							
6699476 2288' Fishing							
6-08-76 2288' Fishing (Rec: 3 more collars, steel bar, globe basket - 2 collars still in hol							
	b collain actif in hor						
•							
8. I hereby certify that the foregoing is true and correct.							
signer Om a folcon	Tile Chief Geologist n. 6-8-76						
	Title Chief Geologist Date 6-8-76						
	STATE OF ARIZONA						
OIL & GAS CONSERVATION COMMISSION							
	Sundry Notices and Reports On Wells						
14 0	File Two Copies						
Permit No 662	Form No. 25						

RECEIVED APPLICATION FOR PERMIT TO DRILL OR RE-ENTER RE-ENTER OLD WELL [] JUN () 1 19/6 APPLICATION TO DRILL X O & G CONS, COMM Webb Resources. Inc. 2200 First of Denver Plaza Address Denver City <u>Colorado.</u> State Webb Drilling Company **Drilling Contractor** same as above Address DESCRIPTION OF WELL AND LEASE Federal, State or Indian Lease Number, or if fee lease, name of lessor Well number Elevation (ground) 5796' G.L. NMAL - Snowflake #30-1 Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: Nearest distance from proposed location to property or lease line: fect Number of wells on lease, including this well, completed in or drilling to this reservoir: Number of acres in lease: 635.04 acres Address If lease, purchased with one or more wells drilled, from whom purchased: Name Section-township-range or block and survey Dedication (Comply with Rule 105) Well location (give footage from section lines) Sec. 30-14N-21E W/2 NW/4588" FWL & 1797' FNL (SWNW) Field and reservoir (if wildcat, so state) County Navajo Wildcat Distance, in miles, and direction from nearest town or post office 7 miles northwest of Snowflake, Arizona Approx. date work will start Proposed depth: Rotary or cable tools 4500 Rotary upon approval Organization Report Filing Fee of \$25.00 Blanket **Bond Status** Attached \$25,000 On file Or attached Amount ....arks: 1. Survey Plat will be sent under separate cover CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Project Geologist Webb Resources. Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature David L. Mikesh, PhD May 19, 1976 Date STATE OF ARIZONA 1976 Approval Date: JUNE

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

OIL & GAS CONSERVATION COMMISSION

Application to Drill or Re-enter

File Two Copies

Form No. 3

(Complete Reverse Side)

- 1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- 2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- 3. All distances shown on the plat must be from the outer boundaries of the Section.
- 4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES\_
- 5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES\_\_\_\_\_NO\_\_\_\_\_. If answer is "yes," Type of Consolidation.
- 6. If the answer to question four is "no," list all the owners and their respective interests below:

)wijer	Land Description
	CERTIFICATION
	I hereby certify that the informa- tion above is true and complete to the best of my knowledge and belief.
1797	Name
	Position
+ \$6 ->0	Company
	Date
20	
	I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.
	Date Surveyed  Registered Professional Engineer and/or Land Surveyor
0 330 660 990 1320 1650 1980 2310 2640 2	2000 1500 1000 500 0 Certificate No.

#### PROPOSED CASING PROGRAM Top Grade & Type Size of Casing Bottom Weight · 100 13-3/8" K-55 ST&C 48# 0 700

0

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4500

8-5/8" 24# K-55 ST&C 5-1/2" K-55 ST&C 15.5#

Cementing Depths 100' to surf 700' to surf 4500' cover all pay zones.

Sacks Cement 100 700 200

131000 (5300) 544 Sixmile 1 36\_3 Second Knolls

O

Holbrook UKBB NMAL SNOW Plake 30-1 TACK D.
PENS &
Old wind mill
Tower 2.2mi Desnow Plake Total distance snow flake to location 9,8 mi Nebb Resources 30-1 NMAL-SNEWFORE 30-1 Permit 662 Thowlow

Rec.589°50'E Rec. N89°41'E 80.28chs. Rec 39,53 chs. Rec 39.53 chs. Meas. 40.15chs. Meas. 40.15chs. Meas. N89º0010"E 80.13 chs. NWCDRSEC 30 Meas N89º06'06"E NE COR SEC 30 / FENCE INTER N.E. & W NO OTHER EVIDENCE NE COR SEC 29-MOUND OF SANDSTONE AROUND A 1"4" 1.P. AT A FENCE INTER. 3, E, & W. FENCE INTER. N. S. E. & W NO OTHER EVIDENCE N 4 COR SEC 30 NOT FOUND -Well Sita Set %"Rebar NOTE . Record Data for & Line of Sec 31 Grd. Elev. 5796 is from B.L.M. F.B. 3538; The W. Line of Sec's 30 43/15 from B.L.M. FB. 1355; Subdivision Lines are from BLM. F.B. 165. NOTE: Ground Elevations at Well Sife are based on Spot Elevations shown SW COR SEC 30 PENCE INTER N. SAN; on U.S. G.S. Quad "Second Knolls", Sec 30 FOST FLAKE, LEASE HOLDER ON SEC 30 RECALLS HE SAW THE ORIG. COR POST & B.T. 25 YEARS AGO AND 3"4 COR 36C 30 THINKS IT WAS 30-40 CAST! NOT FOUND OF THE FENCE COR. 580°39'E Rec. SE COR SEC 30 NOT FOUND Rec. 39. 10chs. Rec. 40.00 chs. Calc,38.98 chs Calc. 40.00chs Cak. N89°12'59"E B GLO B.C. \$ 3'STAKE Rec. 589 33'W 40.24chs. Rec. 589° 54'W 40.37 chs. Meas, 589° 34'22"W 40.28chs. Meas, 589° 54'W 40.39chs. Basis of Bearing SW CORSEC 31 G.L.O. B.C. & G"POST" SE YY COR SEC.31. 6.2.0. B.C. RESULTS OF SURVEY JOHANNESSEN & GIRAND CONSULTING ENGINEERS INC. WEBB NO 30-1 N.M.A.L. - SNOWFLAKE 223 NORTH LEROUX FLAGSTAFF ARIZONA Well Located in the 5 % NW 4 Sec 30, (602) 779-0388 T. 14N., R. 21E., G. & S.R.B. &M. Navajo County, Arizona MAY 1976 JEG NO. FO45

DANIEM.

(





## PERMIT TO DRILL

This constitutes the permission and authority from the OIL AND GAS CONSERVATION COMMISSION, STATE OF ARIZONA,

To:	Webb Resources, Inc.	
		(OPERATOR)
	to drill a we	ll to be known as
	Webb Resources, Inc. NMAL-Snow	oflake #30-1
	MEDD VESCRICES INC. IRRIA AIR	ELL NAME)
located	1797 PNL & 588 PVL	
iocarca		
Section	30 Township 14N Range	218 Navajo County, Arizona.
The	W/2 for the RW/4 Sec. 30, The	lák, R21Eof said
	Township and Range is dedicated to the	his well.
Said in full coi	well is to be drilled substantially as ompliance with all applicable laws, sta	outlined in the attached Application and must be drilled tutes, rules and regulations of the State of Arizona.
Issue	ed this First day of June	
		OIL AND GAS CONSERVATION COMMISSION
4 °		
•		ByEXECUTIVE SECRETARY

PERMIT Nº 662 SAMPLES ARE REQUIRED

RECEIPT NO. 0669
API NO. 02-017-20018

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

O

- PARTEEN

Standard Oil Production Company Continental & Offshore Division 9401 Southwest Freeway Suite 1200 Houston, Texas 77074 713-981-1150

April 29, 1987

**STANDARD OIL** PRODUCTION

Mr. Daniel J. Brennan
Executive Director
Arizona Oil and Gas Commission
3110 N. 19th Avenue, Suite 190
Phoenix, Arizona 85015

file 662

Dear Mr. Brennan:

Enclosed is a copy of the report from our geochemical laboratory on the well samples we obtained from your sample library last November.

I apologize for the delay, some of the analysis equipment was being relocated and was not operational.

As indicated in the report, the results were disappointing. However, I want to thank you again for permission to take samples of these wells for analysis.

Sincerely,

Steven Swanson Project Geologist

cc: A. E. Krancer

E. M. Luttrell

B. P. Cohn

1254L/mcw

Standard Oil Production Company is a unit of the original Standard Oil Company founded in Cleveland, Ohio, in 1870. 0

GEOCHENICAL ANALYSIS OF
CUTTINGS FROM
ARIZONA WELLS

0

EXPLORATION BRIEF (PGW/EB381)

Author: I.E. Penfield

STANDARD OIL PRODUCTION COMPANY

To:

The state of the s

S. Swanson

April 21, 1987

SOPC Continental & Offshore Div.

PGG/042187/IP/2-6

Houston

AFE: 70-5019

From:

Petroleum Geochemistry Group

Dallas

Classification: RESTRICTED

Subject: Geochemical Analysis of Cuttings from Arizona Wells-

Exploration Brief (PGG/EB381).

Eleven cuttings samples representing Permian, Pennsylvanian, and Devonian sediments in six Arizona wells were analyzed for source potential and thermal maturity. Well locations and sample depths are given in the Appendix. Analyses are listed in Table 1.

None of the cuttings exhibited any source potential; all were virtually barren of organic carbon, having TOC's of <0.05%. Rock-Eval pyrolysis showed only trace quantities of thermally distillable (S1) or pyrolyzable (S2) hydrocarbons. The two samples with highest S1 and S2 values (still only 0.2 to 0.3 kg/ton) were selected for thermal maturity determination by whole rock vitrinite reflectance methods, but the absence of organics prevented an accurate assessment: The Permian Supai Fm. in the Mae Belcher #1 State well (1920-2020') appeared to be a barren limestone with a trace of bitumen staining; the Pennsylvanian sample in the Tenneco 1X Ft. Apache Tr. 56 (2500-2770') had a trace of siltstone with one piece of vitrinite of about 0.88% Ro, but was mainly redbeds containing occasional reworked material. Given the negligible quantity of hydrocarbon material in the samples, no attempt was made to extract it for chromatographic characterization.

Enclosures: Table 1

Appendix

cc:

M. Rahman

R. Drozd

File (0) (2-6)

**(** 

**L**i

0

Trans Parfield

TABLE 1

Results of Total Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample ID	TOC (Wt.%)	S1 (kg./ton)	S2 (kg./ton)	Ro (%)
WE8501	0.05	0.32	0.26	NDP
WE8502	0.00	0.06	0.07	
WE8503	0.00	0.05	0.05	
WE8504	0.00	0.05	0.08	
WE8505	0.01	0.09	0.10	
WE8506	0.00	0.05	0.05	
WE8507	0.00	0.05	0.05	
WE8508	0.05	0.25	0.24	NDP(0.88??)
WE8509	0.01	0.10	0.05	-
WE8510	0.00	0.10	0.08	
WE8511	0.02	0.27	0.10	

NDP= No determination possible

Appendix

2	•	Operator	No.	Well name	Loc'n	7.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.00 × 4.	•
99	.850	Mae Doloke:	! ! !			abus madaa	Age
8	850	Pan Am	٦ ,-	State	20-9N-31E	1920'-2020'	
16	850	Pan Am	<b>→</b>	Lac "B"	9-16N-18E	3720'-3835'	rerib.
662	850	Webb	( <del>-</del> 0		25-12N-23E	3200'-3500'	II. Denn
;	850	*	2 )	MINE SHOW IAKE	30-14N-21E	3100'-3240'	Denn
9	8206	Webb	29-3	THE WATER	<b>.</b>	3320'-3360'	Penn
į	8507	*	=	JIEGO GUTYON	29-14N-20E	2900'-3110'	Penn
% 9. M	8208	Tenneco	1X	Ft. Apache Tr. 58	מוני אסו - וב	3290'-3370'	Dev.
-	82C8				317-NOT-TC	2880'-2770'	Penn.
	8511	=	: =	*	=	יטרכני טווני	Penn.
			;	: :	=	3640'-3830'	renn.
						> ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) ) )	Lev.

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Appendix

P/N		0per	Operator	20		name			Loc'n	Depth	ang	Đ.
99	8501	FA C	Belcher		Sta	terri	] 	• • •	20-9N-31E	1920	,-2020,	Perm.
8	8502	Pan	7	-	Aztec	DSJ ca	: B		9-16N-18E	3720	-3835,	Dev.
16	8503	Pan	2	~	NMEAZ	AZ Land "B"			25-12N-23E	3200	,-3500,	U. Penn
799	8504	Webb	Webb 3	30-1	NMEAZ		Snowflake	•	30-14N-21E	3100	-3240	Penn.
	8505	*		=	2	=			*	3320	,-3360,	Penn.
999	8206	Webb	•	29-1	Roci	Rocking Chair	air		29-14N-20E	2900	3110,	Penn.
	8507	2		•	*				5	3290	-3370	Dev.
368	8208	Tenneco	eco	X	Ft.	Ft. Apache Tr.	Tr.	56	31-10N-21E	7200,	2770'	Penn.
) ) .	<b>6758</b>	=	!  -	*	*	2		=	I	2880	,-2900,	Penn.
-	8516				z		*	=	=	3110'-3	-3230,	Penn.
	8511	2		=	*	*	<b>5</b>	z.	<b>.</b>	3640	-3830,	Dev.

(

November 17, 1981

U.S. Fidelity & Guaranty Co. P.O. Box 33310 Phoenix, Arizona 85067

Re: Bond No. 19-0130-2102-75, \$25,000 Webb Resources, Inc., Denver, Colorado

#### Gentlemen:

This is your authority to cancel the above referenced bond as Webb Resources has met all requirements in the completion of wells drilled in Arizona.

Attached is a copy of the Performance Bond and General Power of Attorney.

Yours truly,

R. A. Ybarra Director, Enforcement Section

/os Att.

CC: J. T. Mercer
Sohio Petroleum Co.
100 Pine St.
Sen Francisco, CA 94111

^

SOHIO

#### SOHIO PETROLEUM COMPANY

100 PINE STREET, SAN FRANCISCO, CA 94111

RECEIVED NOV 16 1981

O & G CONS. COMM.

November 11, 1981

Oil and Gas Conservation Commission State of Arizona 1645 West Jefferson Suite 420 Phoenix, Arizona 85007 Attention: Mr. Ybarra

Subject: Bond No. 19-0130-01580-75-1 (19-0130-2103)75)

Dear Mr. Ybarra:

This has reference to our telephone conversation regarding the subject \$25,000.00 Blanket Oil and Gas Drilling Bond. Webb Resources, Inc. has been merged into Sohio Petroleum Company. This subject bond covered Webb Resources drilling operations.

We are hereby requesting that the State of Arizona issue a release of this bond, since according to your records, Webb Resources has fulfilled all of it's obligations.

Thank you,

J. T. Mercer

JTM:lr

Webb Resources

Operator

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T manage

Permit No.\_

# PERFORMAN

#### KNOW ALL MEN BY THESE PRESENTS

	Bond Serial No. 19-0130-2102-75
That we: / WEBB RESOURCES, INC.	
Denver	Colorado
of the County of	in the State of
as principal, and UNITED STATES FIDELITY AND C	GUARANTY COMPANY
Baltimore, Maryland	
	ESS WITHIN the State of Arizona.
as surety, are held and firmly bound unto the State of Arizo	ona and the Oil and Gas Conservation Commission, hereinafter
lawful money of the United States, for which payment, were each of our heirs, executors, administrators or successors,	NTY-FIVE THOUSAND AND NO/100 Dollars (\$25,000.00) I and truly to be made, we bind ourselves, and each of us, and and assigns jointly and severally, firmly by these presents.
The conditions of this obligation are that, whereas the above or stratigraphic purposes in and upon the following describe	e bounden principal proposes to drill a well or wells for oil, gas ed land situated within the State, to-wit:
Statewide Blanket Bond	
(May be used as blar	that bond or for single well)
rules, regulations and orders of the Commission, especially for the proper drilling, casing and plugging of said well or all notices and records required by said Commission, then mercial quantities, or cease to produce oil or gas in commercial force and effect.	omply with all the provisions of the Laws of this State and the with reference to the requirements of A.R.S. \$27-516, providing wells, and filing with the Oil and Gas Conservation Commission in the event said well or wells do not produce oil or gas in comcial quantites, this obligation is void; otherwise it shall remain in
State and the rules, regulations and orders of the Commissi	nd Gas Conservation Commission in violation of the Laws of this ion, the surety shall promptly:
1. Remedy the violation by its own efforts, or	
sion and the Surety of the lowest responsible bidder, an	to remedy the violation, and upon determination by the Commis- range for a contract between such bidder and the Commission, and by the cost of remedying the violation; but not exceeding, includ- e liable hereunder, the amount set forth in the first paragraph
Liability under this bond may not be terminated without	written permission of this Commission.
WITNESS our hands and seals, this 1st day	of December 19.75
Webb Resource	ne. Inc
Webb Kesodica	2)
Ву://////	T. Price
	Principal President
WITNESS our hands and seals this 1st de	y of December 19 75
UNITED STATES FI	DELITY AND GUARANTY COMPANY, (Baltimore, Maryland
By: Xoure 7	She Hayer
Attorney-in	<u> </u>
Thank	Thorntan !
Kesident Arizona	Agent Surety, Resident Arisons Agent If issued in a state other than Arisons)
(If the principal is a corporation, the bond should be executed by its duly a executes this bond by agent, power of attorney or other evidence of author	nihorized officers, with the seal of the corneration efficied. When principal or surety
Approved / - 2 - 76	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSSION
STATE OF ARIZONA	Bond
OIL & GAS CONSERVATION COMMISSSION	Flie Two Copies
1 WO WO	Form No. 2

CERTIFIED COPY

#### GENERAL POWER OF ATTORNEY

No. 79348

Know all Men by these Presents:

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint

Kaye L. Pattison and John L. Stanger

of the City of Denver , State of Colorado its true and lawful attorney 8 in and for the State of Colorado

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said UNITED STATES

either the said Kaye L. Pattison or the said John L. Stanger

may lawfully do in the premises by virtue of these presents. In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be scaled with its corporate seal, duly attested by the signatures of its Vice-President and Assistant Secretary, this , A. D. 19 68 UNITED STATES FIDELITY AND GUARANTY COMPANY. (Signed) By...John Hamilton...... (SEAL) J. E. Hackett (Signed) STATE OF MARYLAND, BALTIMORE CITY, , A. D. 1968, before me personally came July 1815 On this , Vice-President of the UNITED STATES FIDELITY AND GUARANTY John Hamilton COMPANY and J. E. Hackett And Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said that they resided in the City of Baltimore, Maryland; , Assistant Secretary of said Company, with both of and J. E. Hackett were respectively John Hamilton that they, the said the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company. My commission expires the first day in July, A. D. 19. . 69 ... (Signed) Louis Rohd (SEAL) Notary Public. STATE OF MARYLAND BALTIMORE CITY, , Clerk of the Superior Court of Baltimore City, which Court is a Robert H. Bouse , Esquire, before Court of Record, and has a seal, do hereby certify that Louis Rohd whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the

State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said

In Testimony Whereof, I hereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court

.....Raber.t.H.Bouse

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FS 3 (9-67)

(SEAL)

of Record, this 181

Notary, and verily believe the signature to be his genuine signature.

day of

July

(Signed)

6

Clerk of the Superior Court of Baltimore City.

#### COPY OF RESOLUTION

That Whereas, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Provinces of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing honds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also, in its name and as its attorney or attorneys in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any hoard, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsoever, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I, R. H. Bland, Jr. , an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to Kaye L. Pattison and John L. Stanger

of Denver, Colorado, authorizing and empowering to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day of July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of said resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on December 1, 1975
(Date)

R. H. Bland p.

Assistant Secretary.

a

MEMO

webb

resources, inc.

633 17th Street • Suite 2200 Denver, Colorado 80202

ATTN:

Arizona Oil & Gas Commission
8686 North Central
Suite 106
Phoenix, Arizona 85020

FROM:
William A. Falconer, Exploration Manager

SUBJECT:
Seven Well Program - Apache & Navajo Counties
Arizona

ATTN:

Mr. Bill Allen

DATE:
December 2, 1976

REF:

Enclosed for your files on the wells listed below please find copies of the revised Geological Report. This should complete your files. Thank you.

- a) #30-1 NMAL
- b) #25-1 NMAL
- c) #36-1 State
- d) #6-1 NMAL
- e) #8-1 NMAL
- f) #29-1 Rocking Chair Ranch
- g) #30-1 NMAL-Snowflake

RECEI

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DE A COMS. COMM.

SIGNED Wm. a. Falconer part

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OFFICE OF

### Gil and Gas Conservation Commission

STATE OF ARIZONA

4515 NORTH 7TH AVE. PHOENIX, ARIZONA 85913 PHONE: (602) 271-5161

October 12, 1976

Petro-Wells Libraries, Inc. 2665 S. Santa Fe Drive Denver, Colorado 80223

Attention: Cheri Burns

Gentlemen:

Enclosed is information on the following wells:

Permit No. 657 - State 36-1 NE/SE Sec. 36-T19N-R17E Comp. Densilog, Acoustilog, Dual Induction, Geological Report, Misc. Well Forms, Mud Log

Permit 658 - NMAL-6-1 NE/SE Sec. 6-T14N-R22E Mud Log, Acoustilog, Dual Laterolog, Geological Report, Misc. Well Forms

Permit 659 - NMAL-8-1 SW/NE Sec. 8-T14N-R20E Mud Log, Geological Report, Misc. Well Forms

Permit 660 - Rocking Chair Ranch #29-1 NW/SE Sec. 29-T14N-R20E Dual Laterolog, Sonic, Neutron-Formation Density, Mud Log, Geological Report, Misc. Well Forms

Permit 662 - Snowflake #30-1 SW/NW Sec. 30-T14N-R21E Sonic, Dual Laterolog, Mud Log, Geological Report, Misc. Well Forms

Out of Date Film.

Very truly yours,

William E. Allen

Director Enforcement Section

WEA/vb

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RECEI

GIS GI CONC. FORM.

### webb resources.inc.

First of Denver Plaza - Suite 2200 + 633-17th Street - Denver, Dolorsop 61202 + 603/892-9804

October 5, 1976

Arizona Oil & Gas Commission 8686 North Central Suite 106 Phoenix, Arizona 85020

Attention: Mr. W. E. Allen

RE: Webb Resources, Inc. #6-1 NMAL (Permit 658) #30-1 NMAL Snowflake (Permit 662) #29-1 Rocking Chair Ranch (Permit 660)

Dear Mr. Allen:

Enclosed please find the Form #4 (Completion Report) and the Geological Report on the subject wells.

Please accept our apologies for the delay in filing this information in a timely manner; however, due to unavoidable circumstances, we were unable to obtain the Geological Reports before this date.

Yours truly,

WEBB RESOURCES, INC.

William A. Falconer Samb

William A. Falconer Exploration Manager

WAF:smb enclosures



OFFICE OF

### Oil and Gas Conservation Commission

STATE OF ARIZONA

8686 NORTH CENTRAL, SUITE 106 PHOENIX, ARIZONA 85020 PHONE: (602) 271-5161

October 1, 1976

Mr. William A. Falconer Webb Resources, Inc. 2200 First of Denver Plaza 633 - 17th Street Denver, Colorado 80202

Re: Webb Resources, Inc.
NMAL #6-1 Permit 658
Rocking Chair Ranch #29-1 Permit 660
NMAL Snowflake #30-1 Permit 662

Dear Mr. Falconer:

Rule 119 of the Rules and Regulations, Oil and Gas Conservation Commission, State of Arizona, requires that the operator file Form 4, Completion Report, within 30 days following completion of a well.

This is the fourth request this office has made to you for this report together with the request for the geological report on the above referenced wells. As of this date we have received neither of these requested reports, nor any explanation for the delay in filing this information in a timely manner.

If there is some reason why these reports have not been submitted, please advise. If these reports are available, submit them as quickly as possible.

Enclosed is a supply of Form 4.

Very truly yours,

W. E. Allen Director, Enforcement Section

WEA:os Encl.

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AUG 2 0 1976

O&G CONS. COMM.

## webb resources, inc.

First of Denver Plaza - Suite 2200 - 633-17th Street - Denver, Colorado 80202 - 303/892-5504

August 18, 1976

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Mr. Jack Conley Oil & Gas Conservation Commission State of Arizona 8686 North Central, Suite 106 Phoenix, Arizona 85020

Dear Mr. Conley:

This is to advise that all data on all seven wells drilled by Webb Resources in Arizona is hereby released from confidential status. Also, Warren Carr will be in touch with Dr. Pierce concerning samples on the 30-1 well. Finally, I'd like to have a look at your maps when convenient for you. I'll call you when next in Phoenix.

Very truly yours,

WEBB RESOURCES, INC.

William A. Falconer Chief Geologist

WAF:srl

cc: Mr. Warren Carr P. O. Box 32436 Oklahoma City, OK 74132

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August 9, 1976

 $... \\ \text{ is children}$ 

Mr. William A. Falconer Webb Resources, Inc. 2200 First of Denver Plaza 633 17th Street Denver, Colorado 80202

Re: Webb Resources, Inc:
NMAL No. 6-1, NE/4 SE/4 Sec. 6, T14N, R22E, Permit No. 658;
Rocking Chair Ranch No. 29-1, NW/4 SE/4 Sec. 29, T14N,
R20E, Permit No. 660 and NMAL Snowflake 30-1, SW/4 NW/4
Sec. 30, T14N, R21E, Permit No. 662.

Dear Mr. Falconer:

Please submit Well Completion or Recompletion Report and Well Log (Form 4) and Geological Report on the subject wells.

Also, please advise if you wish to maintain confidential status on the last three wells that were drilled by you in Arizona.

Very truly yours,

William E. Allen Director Enforcement Section

WEA/vb

WEMO

webb\_\_\_\_\_\_resources, inc.

1776 LINCOLN STREET DENVER, COLORADO 80203

TO:		ATTN:
	Arizona Oil & Gas Commission 8686 North Central - Suite 106 Phoenix, Arizona 85020	Mr. Allen
FROM:	William A. Falconer, Chief Geologist	DATE: July 6, 1976
SUBJECT	i: ARIZONA WELLS - NAVAJO COUNTY, ARIZONA	REF:

Enclosed for your approval please find the following on the well listed below:

SIGNED (William) A falcener flat

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CANADA I

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JOHANNESSEN & GINAND
Consulting Engineers, Inc.
223 North Leroux
Flagstaff, Arizona 86001
Phone (602) 779-0388

LETTE OF TRANSMITTAL

	Phor	ie (602) 7	79-0388	4	June 4, 197	
				W	. E. Allen or	John Bannister
0 A	rizona Oil	L & Gas	s Commission		Webb Resourc	es, Inc.
	<u> </u>				New Mexico-A	rizona Land Co.
_8	686 NOTTH	Centra	al, Suite 106		Well No. 30-	1
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SIGNED:

If enclosures are not as noted, kindly notify us at once.

June 1, 1976

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. B. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliff:

The Following permit was issued today:

Webb Resources, Inc. NMAL-Snowflake #30-1 1797 FWL & 588 FWL Sec. 30, T14N, R21E Navajo County, Arizona Permit: 662

Very truly yours,

W. E.Allen

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June 1, 1976

Mr. David L. Mikesh Webb Resources, Inc. 2200 First of Denver Plaza 633 17th Street Denver, Colorado 80202

Re: Webb Resources, Inc. NMAL Snowflake #30-1 Sec. 30, T14N, R21E, Navajo County Permit #662

Dear Mr. Mikesh:

Enclosed please find your permit, receipt for your \$25 filing fee, approved copy of your application and the forms necessary to keep us advised of your progress.

Very truly yours,

W. E. Allen Director Enforcement Section

WEA/vb

Encls.

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June 1, 1976

Mr. David L. Mikesh Webb Resources, Inc. 2200 First of Denver Plaza 633 17th Street Denver, Colorado 80202

Re: Webb Resources, Inc. NMAL Snowflake #30-1 Sec. 30, T14N, R21E, Navajo County Permit #662

Dear Mr. Mikesh:

Enclosed please find your permit, receipt for your \$25 filing fee, approved copy of your application and the forms necessary to keep us advised of your progress.

Very truly yours,

W. E. Allen Director Enforcement Section

WEA/vb

Encls.

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8686 N. Central Ave. Ste. 106
xxxxxxxxxxxxx
xxx 85020

May 25, 1976

Webb Resources, Inc. 633 17th Street, Ste. 2200 Denver, Colorado 80202

Re: NMAL Snowflake No. 30-1

Attention: Dr. David L. Mikesh

Gentlemen:

We are returning one copy of your Application to Drill the above-referred well. Before we can approve this application and issue the permit, we must have the well location by footage from the section lines.

Your application also states that the dedicated acreage for this well is the NW 1/4 of Section 30. Our rules and regulations stipulate an oil dedication to be 80 acres and a gas dedication to be 640 acres. Therefore, it would appear that you are dedicating more acreage to this location than is required.

Will you please complete this application and return

Very truly yours,

William E. Allen Director Enforcement Section

WEA/vb Enc.

PAYEE: DETACH THIS STATEMENT BEFORE Webb Resources, Inc. NET AMOUNT TRUOMA DESCRIPTION INVOICE NO. DATE 25.00 25.00 5-92-76 (Vo. #) 5-19-76 Well Permit #30-1 NMAITSNOWFLAKE
Navajo County, Arizona
Deal No. X-705-17

**MEMO** 

webb resources, inc.

First of Denver Plaza • 633 17th Street • Suite 2200 Denver, Colorado 80202

80203

Arizona Oil & Gas Commission
8686 North Central, Suite 106
Phoenix, Arizona 850202

FROM:
William A. Falconer, Chief Geologist

SUBJECT:
#30-1 NMAL-Snowflake
NW/4 Sec. 30-14N-21E Navajo County, Arizona

ATTN:

Mr. Allen

Mr. Allen

Mr. Allen

Enclosed for your approval on the subject well please find the following:

- 1. Application for Permit to Drill
- 2. Well Permit Fee: \$25.00

The Survey Plats will be sent under separate cover.

Thank you for your consideration in this regard.

WAF:smb enclosure

SIGNED Wor a Inleaner famel